

CONDUIT FOR AORTA OR PULMONARY ARTERY REPLACEMENT

Abstract of the Disclosure

5 In some embodiments, prosthetic conduits include biocompatible material
formed into a generally cylindrical section and an expanded section connected to the
generally cylindrical section to form a conduit. The conduit has a lumen extending
through the generally cylindrical section and the expanded section. In some
embodiments, the biocompatible material is tissue. The biocompatible material can
10 include one segment or a plurality of segments joined together to form the generally
cylindrical section and the expanded section. In some embodiments, the prosthetic
conduit includes a reinforcement to prevent unwanted dilation or collapse of the conduit.
The reinforcement can be placed at or near the junction of a generally cylindrical section
and an expanded section and/or at other locations along the conduit. The prosthetic
15 conduit may or may not include a prosthetic heart valve. The prosthetic conduit can
include tubules to facilitate attachment of coronary arteries to the prosthetic conduit for
embodiments in which a portion of the aorta adjacent the heart is replaced. In some
embodiments, the prosthetic conduit includes two sections that are joined to form the
prosthetic conduit.